GALUSHKINA, Nina Andreyevna; SAZONOVA, Irina Danilovna; POGOSTIN, S.Z.,
    retsenzent; KHINKIS, L.A., retsenzent; FUKS, V.K., red.; SOKOLOVA,
    I.A., tekhn.red.

[Specifications for work standards in the oils and fats industry]
Tekhnicheskoe normirovanie truda v maslozhirovoi promyshlennosti.
Moskva, Pishchepromizdat, 1960. 138 p.   (MIRA 13:5)
                    (Oil industries)

GENIN, Samuil Adol'fovich, kand.tekhn.nauk; SPIRIDONOV, D.I., inzh.
tekhnolog, spetsred.; FUKS, V.K., red.; KISINA, Ye.I., tekhn.red.

[Technology of potato, vegetable, and fruit drying] Tekhnolo-
giia sushki kartofelia, ovoshchei i plodov. Moskva, Pishche-
promizdat, 1960. 146 p.   (MIRA 13:12)
        (Potatoes--Drying)   (Vegetables--Drying)
                   (Fruit--Drying)

KONDO, I.N.; KATAR'YAN, T.G., kand.biol.nauk, red.; FUKS, V.K., red.;
SOKOLOVA, I.A., tekhn.red.

[Viticulture; winter hardiness of grapes in Central Asia]
Vinogradarstvo; zimostoikost' vinograda v usloviiakh Srednei
Azii. Moskva, Pishchepromizdat, 1960. 255 p. (Yalta.
Vsesoiuznyi nauchno-issledovatel'skii institut vinodeliia i
vinogradarstba "Magarach." Trudy, vol.10)   (MIRA 14:7)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
vinodeliya i vinogradarstva "Magarach". (for Katar'yan).
    (Soviet Central Asia--Viticulture)
    (Soviet Central Asia--Plants--Frost resistance)

NAMESTNIKOV, Aleksandr Fedorovich; IZOTOV, A.K., inzh., tekhnolog, retsenzent; FUKS, V.K., red.; SATAROVA, A.M., tekhn. red.

[Preserved fruits and vegetables; innovation in assortment and technology] Plodoovoshchnye konservy; novoe v assortimente i tekhnologii. Moskva, Pishchepromizdat, 1961. 141 p.
(MIRA 15:6)
(Canning and preserving)

LEONOV, Il'ya Timofeyevich; NAMESTNIKOV, A.F., kand. tekhn. nauk,
spetsred.; KHMEL'NITSKAYA, A.Z., red.; FUKS, V.K., red.;
SATAROVA, A.M., tekhn. red.

[Automatic lines for the production of tomato paste; adjust-
ment and operation regulations]Avtomatizirovannye linii dlia
proizvodstva tomatnoi pasty; naladka i pravila ekspluatatsii.
Moskva, Pishchepromizdat, 1962. 91 p.   (MIRA 15:11)
       (Assembly-line methods)   (Tomato products)

ZELIKMAN, Isaak Fedorovich; DEMCHINSKIY, Fedor Antonovich; P'YANKOV,
    A.G., retsenzent; GUSEV, Ye.A., retsenzeng; FUKS, V.K., red.;
    ZARSHCHIKOVA, L.N., tekhn. red.

[Manufacture of lump sugar] Proizvodstvo pressovennogo sakhara-
rafinada. 2., perer. i dop. izd. Moskva, Pishchepromizdat,
1962. 367 p.   (MIRA 15:12)
            (Sugar manufacture)

KOCHETOVA, L.T.; MOLCHANOVA, O.P., prof., retsenzent; NAMESTNIKOV,
      A.F., kand.tekhn.nauk; FUKS, V.K., red.; SATAROVA, A.M.,
      tekhn. red.

      [Production of canned food for children]Proizvodstvo konser-
      vov dlia detskogo pitaniia. Moskva, Pishchepromizdat, 1962.
      104 p.   (MIRA 16:2)
            (Canning industry)

TKACH, Aleksandr Grigor'yevich; FUKS, V.K., red.; SOKOLOVA, I.A.,
    takhn. red.

    [Brief manual for workers engaged in the tobacco industry]
    Kratkii spravochnik tabachnika. Moskva, Pishchepromizdat,
    1963. 112 p.   (MIRA 16:3)
                (Tobacco industry)

TKACH, Aleksandr Grigor'yevich; KOPYLOV, V.I., inzh., retsenzent;
KOMAROV, V.S., inzh., spets. red.; FUKS, V.K., red.;
SOKOLOVA, I.A., tekhn. red.

[Concise manual for the tobacco worker] Kratkii spravochnik
tabachnika. Moskva, Pishchepromizdat, 1963. 112 p.
(MIRA 16:6)

(Tobacco industry)

DONSKOV, Vasiliy Yefimovich, prof.; ZUYEVA, Raisa Vasil'yevna, kand. ekon. nauk; KRUZHKOVA, Raisa Vasil'yevna, kand. ekon. nauk; MESHKOV, Yuriy Konstantinovich, kand. ekon. nauk; PONOMAREVA, Irina Andreyevna, kand. ekon.nauk; KHINKIS, Lev Akimovich, st. prepodavatel'; SHAMIN, Andrey Nikolayevich, st. prepodavatel'; KAMENITSER, S.Ye., doktor ekon. nauk, prof., retsenzent; SHVARTS, V.M., inzh.-ekon., retsenzent; FUKS, V.K., red.; PECHENKINA, O.P., tekhn. red.

[Production organization and planning in food industry enterprises] Organizatsiia i planirovanie proizvodstva na predpriiatiiakh pishchevoi promyshlennosti. [By] V.E.Donskov i dr. Moskva, Pishchepromizdat, 1963. 454 p.   (MIRA 17:2)

KLEMENCHUK, Aleksey Petrovich; POPOV, Petr Konstantinovich; FUKS,
V.K., red.; FEDOROVSKIY,A.Ye., inzh.-ekonomist,spets.red.

[Food industry of the R.S.F.S.R.] Pishchevaia promyshlen-
nost' RSFSR. Moskva, Pishchevaia promyshlennost', 1964.
155 p.   (MIRA 17:12)

KUROCHITSKIY, Cheslav Kazimirovich; SHIPUNOVA, Ninel' Semenovna;
SHAMBORANT, G.G., retsenzent; FUKS, V.K., red.

[Hydrocyclones in the starch and molasses industry] Gidro-
tsiklony v krakhmalo patochnoi promyshlennosti. Moskva, Pi-
shchevaia promyshlennost', 1964. 84 p. (MIRA 18:3)

PROKOF'YEV, Vasiliy Platonovich; SUPONITSKIY, M.Ya., dots., kand.
    med. nauk, retsenzent; STREMLINA, S.M., retsenzent; MEDOKS,
    T.S., retsenzent; VUL'FOVICH, V.O., spets. red.; RAUBE, P.V.,
    inzh., spets. red.; F"'S, V.K., red.

[Industrial sanitation in food industry enterprises] Proiz-
vodstvennaia sanitariia na predpriiatiiakh pishchevoi pro-
myshlennosti. Moskva, Pishchevaia promyshlennost', 1964.
295 p.   (MIRA 18:3)

MESHKOV, Yuriy Konstantinovich; MARKHEL', P.S., kand. tekhn. nauk,
     retsenzent; KALITA, N.Ya., kand. ekon. nauk, retsenzent;
     FUKS, V.K., red.

[Establishment of technical work norms in enterprises of
the food industry] Tekhnicheskoe normirovanie truda na
predpriiatiiakh pishchevoi promyshlennosti. Moskva, Pi-
shchevaia promyshlennost', 1964. 235 p. (MIRA 18:3)

ROMASHKINA, Aleksandra Fedorovna; DONSKOV, V.Ye., prof.,
        retsenzent; FELOROVSKIY, A.Ye., ekonomist, retsenzent,
        PONOMAREVA, I.A., kand. ekon. nauk; spets. red.; FUKS,
V.K., red.

[Potentialities for an increase in labor productivity in
the confectionary industry] Rezervy rosta proizvoditel'-
nosti truda v konditerskoi promyshlennosti. Moskva, Pi-
shchevaia promyshlennost', 1964. 213 p. (MIRA 18:10)

AVDEYEVA, Aleksandra Vasil'yevna; OSTROVSKIY, A.I., prof.;
KRASIL'SHCHIKOV, A.I., doktor khim. nauk; FUKS, V.K.,
red.

[Corrosion in food production and measures for its pre-
vention] Korroziia v pishchevykh proizvodstvakh i sposoby
zashchity. Moskva, Pishchevaia promyshlennost', 1965.
242 p.   (MIRA 18:9)

FUKS, V.L.; MEZHLUMOV, A.A.

Measuring and controlling stresses on electrodrill clamps during
drilling. Izv. vys. ucheb. zav.; neft' i gas 3 no.10:99-104 '60.
(MIRA 14:4)

1. NIPI, Neftekhimavtomat, Azerbaydzhanskiy politekhnicheskiy
institut.
(Oil well drilling, Electric)
(Strains and stresses)

KENGERLINSKIY, Yu.S.; FUKS, V.L.

Automatic control of the feed of the bit in turbodrilling.
Neft. khoz. 38 no.7:33-38 Jl '60.   (MIRA 14:10)
        (Turbodrills)
        (Automatic control)

FUKS, V.L.

Dual purpose device for measuring stresses in electric-drill
engine clamps and well-bottom temperature. Mash. i neft. obor.
no.5:12-16 '63.   (MIRA 17:8)

1. Nauchno-issledovatel'skiy i proyektnyy institut po kompleksnoy
avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimi-
cheskoy promyshlennosti.

AUTHOR: Fuks, V. R.   50-58-5-15/2o

TITLE: On the Problem of the Periodic Variability of the Sea Water
               Temperature (K voprosu o prichinakh periodicheskoy izmenchivo-
               sti temperatury vody v more)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 5, pp 59-61 (USSR)

ABSTRACT: The interest of oceanologists in the periodic change of the
               oceanographic characteristics and in the problem connected with
               it how far the deep-sea researches are representative recently
               more and more increased. This is caused by the inadequacy of
               the current method of recording with regard to the demands made
               on oceanographic research. In spite of a full recognition of the
               topicality of the problem broached by N. K. Khanaychenko (Ref
               1) and its final conclusions the author criticizes the problem
               mentioned in the title which was by his opinion incorrectly
               dealt with in reference 1. 1) The periodic heat advection by
               tidal currents can only be of importance in straits where the
               velocities of these currents are high enough and when the ho-
               rizontal temperature gradients are high, predominantly in di-
               stricts with a reversive nature of the tide-currents. But in
Card 1/2   open oceans the periodic variability of temperature is mainly

On the Problem of the Periodic Variability of the Sea Water   5o-58-5-15/2o
Temperature

caused by the rising and sinking of water particles during
the tidal variations. This statement is illustrated by an ex-
ample (Figures 1,2). The problem is also incorrectly dealt with
in Ref 1 that considerable variations in the form of i iternal
waves oan only be excited in well stratified waters, whereas in
less stratified waters the displacement of water masses repre-
sents the cause of short-period variations. In reality it is
just in a weakly stratified medium (surface of the sea in the
winter-spring period) that the largest amplitudes of inner
waves are observed (figure 3). Much remains to be determined
within the framework of tidal currents. There are 4 figures,
and 3 references, 1 of which is Soviet.

1. Sea water--Temperature   2. Ocean currents--Performance
3. Tides--Temperature factors

Card 2/2

FUKS, V.R.

Possibility of recording internal waves by the use of neutral-
buoyancy floats. Uch.zap.LGU no.309:97-106 '61.   (MIRA 15:3)
(Waves)

AUTHOR: Fuks, V.R.

TITLE: Internal tidal waves in multi-layer sea (numerical
            solution of the problem)

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 15,
            abstract 8 V 89. (Uch. zap. LGU, no.309, '61, 92-96).

TEXT: A method of calculating characteristic internal tidal
waves from the known amplitudes (A) and phase angles (φ)(for the
surface of the sea) and the equivalent field of densities, is
given. For the starting point serve the equations of motion for
the internal layer and the equations of continuity. The
increments in the boundary surfaces of the layers over the height
registers of the rest value for each layer are the functions of
A, φ and σ (angular velocity of the wave), determined from
the method of G.V. Polukarov for any point of the surface
according to the given boundary values on the shores.   The
thickness of the layers is taken as constant for the sake of
simplicity. Assuming that at the bottom $\zeta = 0$ and using the

Card 1/2

Internal tidal waves in multi- ...   S/169/62/000/008/058/090
                                       E202/E192

expression for ξ on the surface, a system of differential equations is obtained in finite differences, which are used to determine A and φ of the tidal wave for any layer. The system is solved using the method of consecutive approximations (with the help of an electronic computer). For the cross-section along the leading profile of the tidal wave the system of equations is considerably simplified. The results obtained fully confirm the accepted premises about the propagation of the tidal wave.

[Abstractor's note: Complete translation.]

Card 2/2

FUKS, V.R.; BOGDANOV, K.T.

Causes of variation in the characteristics of tidal currents
with depth. Okeanologiia 5 no.1:63-72 '65.   (MIRA 18:4)

1. Institut okeanologii AN SSSR.

AL'TSHULER, V.M., kand. geogr. nauk; ANTROPOVA, L.V., st. inzh.;
   BUKHTEYEV, V.G., st. inzh.; VOLODINA, Z.G., ml. nauchn.
   sotr.; RZHONSNITSKIY, V.B., kand. geogr. nauk; SELITSKAYA,
   Ye.S., kand. geogr. nauk; FUKS, V.R., kand. geogr. nauk;
   BREKHOVSKIKH, Yu.P., red.; TIMONOV, V.V., red.

[Study of tidal phenomena in a heterogeneous sea] Issledo-
vanie prilivnykh iavlenii v neodnorodnom more. Leningrad,
Gidrometeoizdat, 1965. 183 p.   (MIRA 18:8)

1. Leningradskoye otdeleniye Gosudarstvennogo okeanografi-
cheskogo instituta (for Al'tshuler). 2. Murmanskoye uprav-
leniye gidrometeorologicheskoy sluzhby(for Antropova).
3. Leningradskiy gidrometeorologicheskiy institut (for
Bukhteyev). 4. Gosudarstvennyy okeanograficheskiy institut
(for Volodina, Selitskaya). 5. Leningradskiy gosudarstven-
nyy universitet imeni A.A.Zhdanova (for Rzhonsnitskiy,
Fuks).

BRONSHTEYN, Mikhalina Petrovna; GNUCHEVA, Vera Vladimirovna; FUKS, Ye.A.,
redaktor; ROZEN, E.A., tekhnicheskiy redaktor

[Bibliography of literature on the natural sciences; a textbook for
students of library schools] Bibliografiia estestvennonaucnoi litera-
tury; uchebnoe posobie dlia studentov bibliotechnykh institutov.
Moskva, Gos. izd-vo kul'turno-prosvetit. lit-ry, 1956. 182 p.
(Bibliography--Science)   (MLRA 10:3)

BRUNSHTEYN, B.A.; GORENBURG, V.P.; KLIMENKO, V.L.; FUKS, Ye.Sh.;
    TSYRKIN, Ye.B.

Optimalizing the production of automobile gasolin· in a petroleum
refinery. Nefteper. i neftekhim. no.12:3-7 '63.   (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh
protsessov.

KLIMENKO, V.L.; FUKS, Ye.Sh.; TSYRKIN, Ye.B.

Optimization of oxo-synthesis. Nefteper. i neftekhim. no.6:29-33
'64.
(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhim -
cheskikh protsessov.

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Time length of holding large castings in the mold. Trudy Khim.-
met.inst.Sib.otd.AN SSSR no.14:139-145 '60.   (MIRA 14:10)
                            (Founding)

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Forced cooling of large castings. Trudy Khim.-met.inst.Sib.otd.AN SSSR
no.14:147-151 '60.   (MIRA 14:10)
                    (Founding)   (Thermal stresses)

FUKS, Yu.P., aspirant

Shaking conveyor drives. Nauch. trudy Mosk. inst. radioelek.
i gor. elektromekh. no. 49 pt. 2:146-154 ' 64
(MIRA 19:1)

FUKS, Z.

USSR/Electronics - Television

Card 1/1

Author   :   Fuks, Z.

Title   :   Counter interference filters

Periodical   :   Radio, 3, 36-38, Mar, 1954

Abstract   :   Television reception are quite often distorted. In order to
                 improve them specially designed filters should be used. Photo-
                 graphs of such filters and their circuit diagrams with correspod-
                 ing frequency characteristics are included. A diagram for de-
                 termining the number of turns of the filter coil for a given
                 induction is also given. Interferences can also be reduced by
                 using a two or three-element antenna. A three-element antenna
                 is illustrated.

Institution :   ....

Submitted   :   ....

SOV/107-59-4-28/45

9(3)

AUTHOR: Fuks, Z.

TITLE: TV Reception Interference and Methods for its
             Suppression (Pomekhi televizionnomu priyëmu i
             metody ikh podavleniya

PERIODICAL: Radio, 1959, Nr 4, pp 34 - 38 (USSR)

ABSTRACT: The author reviews noise sources causing interfer-
             ence with TV reception and recommends different
             types of filters for suppressing these noises. The
             parasitic radiation of short-wave transmitters,
             cross modulation and combination modulation are the
             most frequent reasons for interference with TV re-
             ception. Short-wave transmitters usually do not
             work at frequencies exceeding 15-20 mc and therefore
             the author suggests using filters which suppress the
Card 1/2   higher frequencies. He presents formulas and circuit

TV Reception Interference and Methods for its Suppression

        schematics for transmitter filters. In addition he
recommends installing filters at the TV sets for
suppressing those noises which have frequencies within
the pass bandwidth of the TV sets. The data of such
filter elements are shown by 6 tables. There are
2 graphs, 1 diagram, 2 schematics, 6 tables and 1 So-
viet reference.

Card 2/2

Fuks, Z.

Y U G O .

A synthesis of (+)-3-aminobutyric acid from L-alanine. Z. Fuks. *Acta Pharm. Jugoslav.* 3, 36-6(1953)(English summary).—The optically active $H_2NCHMeCH_2CO_2H$ was prepd. by the Arndt-Eistert synthesis. N-Phthaloyl-L-alanine was converted into the acid chloride, which was treated with CH_2N_2; the resulting diazo ketone with Ag_2O in MeOH gave Me (+)-3-phthalimidobutyrate, which was sapond. with HI, and the HI salt passed through a column of Amberlite IR-4B, giving the free acid in 38% over-all yield.

V. Mihajlov

FUKS, ŽELjKO

Turbidimetric determination of small quantities of chlorides. Tomislav Rehmann and Želj. Fuks (Agr. Fak., Zagreb, Sarajevo, Yugoslav.) . . . born. Yugoslav . . . no. 10-4 (1953)(English summary)—In these detns. the $AgNO_3$ HNO_3 reagent of the U.S.P. was used. The turbidimetric measurements were made by aid of a Klett-Summerson photometer . . .

position and length of the max . . .

an accuracy of ±2%. Werner Jacobson.

FUKS, Zeljko, Major m-r ph.

Scientific research in military pharmacy. Voj. san. pregl.,
Beogr. 12 no.7-8:431-434 July-Aug 55.

(MEDICINE, MILITARY AND NAVAL,
    in Yugosl., pharmaceutical research, organiz. plan (Ser))
(RESEARCH
    pharmaceutical in Yugosl. Army, planning project (Ser))

FUKS, Zeljko, Major mr. ph.

Determination of active substances in chinaspiphen-C VSZ pills.
Voj. san. pregl. Beogr. 13 no.11-12:610-611 Nov-Dec 56.

(QUININE, determ.
    quinine-acetophenetidin-acetylsalicylic acid-vitamin C
    prep., chem. analysis (Ser))
(ACETOPHENETIDIN, determ.
    same)
(ACETYLSALICYLIC ACID, determ.
    same)
(VITAMIN C, determ.
    same)

FUKS, Z. S.

"Coloring Cotton Yarn," Moskva, Gizlegprom, 1952

RUDENSKAYA, B.Ya. [translator]; FUKS, I.V. [translator]; PETERBURGSKIY, A.V., red.

[Hunger signs in crops; a symposium] Priznaki golodaniia rastenii; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1957. 229 p.   (MIRA 14:2)

1. American Society of Agronomy.
      (Deficiency diseases in plants)

BZHOZOVSKIY, V.S. [Brzozowski, W.]; DUL, I.; FUKSIYEVICH, Ye. [Fuksijewicz, J.];
MIKOSH, M. [Mikosz, M.]; VANG, R. [Wang, R.]

Experimental open-cycle magnetohydrodynamic generator. Teplofiz.
vys. temp. 2 no.5:771-779 S-O '64. (MIRA 17:11)

1. Institut yadernykh issledovaniy, Pol'sha.

FUKSMAN, A.L.

Structural char cteristics of functions, in which $E_n(f; -1, 1) \leq 4n^{-(k+b)}$. Usp. mat. nauk 20 no.4:187-190 Jl-Ag '65.

(MIRA 18:8)

ACC NR: AR6023241   SOURCE CODE: UR/0044/66/000/003/B104/B104

AUTHOR: Fuksman, A. L.

TITLE: Selection of coordinate functions for approximate solution of uniform boundary problems with variational methods

SOURCE: Ref. zh. Matematika, Abs. 3B549

REF SOURCE: Sb. Vopr. vychisl. matem. i vychisl. tekhn. Rostov-na-Donu, Rostovsk. un-t, 1965, 3-7

TOPIC TAGS: boundary value problem, variational method, approximate solution

ABSTRACT: The author gives a method for forming coordinate functions used for approximate solution of uniform boundary problems with variational methods. The method can be used for any type of boundary conditions. [Translation of abstract] T, Volzhenskaya.

SUB CODE: 12

Card   1/1   UDC: 518:517.91/.94

FUKS-RABINOVICH, D. I.

O neprostote lokal'no-svobodnoy gruppy.   Matem. SB., 7 (49), (1940), 327-328.

SO: Mathematics in the USSR, 1917-1947.
      edited by Jurosh, A. G.,
      Markushevich, A. L.,
      Rashevskiy, P. K.
      Moscow-Leningrad, 1948

FUKS-RABINOVICH, D. I.

O gruppakh avtomorfizmov svobodnykh proizyedeniy, I. Matem. SB., 8 (50), (1940), 265-276.

SO: Mathematics in the USSR, 1917-1947
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       Markushevich, A. L.
       Rashevskiy, P. K.
       Moscow-Leningrad, 1948

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Ob odnom predstavlenii svobodnoy gruppy. l., Uchen, zap, un-ta, ser, ser, Matem.
10 (1940), 154-157.

SO: Mathematics in the USSR, 1917-1947.
     edited by Jurosh, A. G.,
     Markushevich, A. L.,
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FUKS-RABINOVICH, D. I.

"Concerning a Group with Numerous Productions and Relationships, which do not Concede any Isomorphic-Description Through Matrices of Ultimate Arrangement," Dok. AN, 27, No. 5, 1940.

"An Example of a Discrete Group With A Final Quantity of Products and Relations Which Permits No Complete System of Linear Representation," Dok. AN, 29, No. 8-9, 1940.

FUKS-RABINOVICH, D. I.

O gruppakh avtomorfizmov svobodnykh prâzvedeniy, 11 Matem. SB., 9 (51), (1941), 183-220.

SO: Mathematics in the USSR, 1917-1947.
     edited by Jurosh, A. G.,
     Markushevich, A. L.
     Rashevskiy, P. K.
     Moscow-Leningrad, 1948

MONAKHOV, V.M.; FUKS-RABINOVICH, M.S.

Numerical forecasting of vertical currents for some days in advance on the basis of baroclinic lineal three-level model of the atmosphere. Trudy TSIP no.126:20-27 '63.   (MIRA 16:11)

PUKS-A-BIN:VI:U, M....

Results of numerical experiments by the method of dynamic
analysis. Trudy MMTS no.4:17-26 '64   (MIRA 18:2)

Dynamic analysis in a baroclinic atmosphere. Ibid.:27-38

FUKS-RABINOVICH, M.S.

Improving the quality of the analysis of the geopotential
field over regions poorly covered by the initial informa-
tion. Meteor. i gidrol. no.5:28-35 My '64.   (MIRA 17:6)

1. Vychislitel'nyy meteorologicheskiy tsentr.

FUKS-RABINOVICH, M.S.

Accuracy of dynamic analysis for a baroclinic model of the
atmosphere. Trudy MMTS no.7:61-71 '65.   (MIRA 18:7)

SITNIKOV, I.O.; FUKS-RABINOVICH, M.B.

Filling in deficient information in the geopotential field for the vast regions with little light in the northern hemisphere. Trudy MITS no.10:75-86 '65. (MIRA 19:1)

L 43065-66   EWT(1)   GW

(N)

ACC NR: AT6014301

SOURCE CODE: UR/3118/65/000/010/0075/0086

AUTHORS: Sitnikov, I. G.; Fuks-Rabinovich, M. S.

$2^0_{B^{+1}}$

ORG: none

TITLE: Filling in missing information in the geopotential area for vast, poorly covered regions of the northern hemisphere

SOURCE: Mirovoy meteorologicheskiy tsentr. Trudy, no. 10, 1965. Ob"yektivnyy analiz i obrabotka meteorologicheskikh dannykh (Objective analysis and processing of meteorological data, 75-86

TOPIC TAGS: weather forecasting, synoptic meteorology, meteorologic observation, atmospheric wind field, weather map

ABSTRACT: Results of numerical experiments in the method of dynamic analysis are offered, correlating prognostic with diagnostic areas, thus improving the weather prognosis especially in the poorly covered regions with sparse networks of meteorological observatories. This work is an expansion of one published earlier by I. G. Sitnikov (Rezul'taty operativnogo ispytaniya skhemy chislennogo prognoza geopotentsiala na srednem urovne troposfery. Tr. MMTs, vyp. 3, 1964). The method of dynamic analysis and its application were described by M. S. Fuks-Rabinovich (Rezul'taty chislennykh eksperimentov po metodu dinamicheskogo analiza. Tr. MMTs,

Card 1/2

L 43065-66   ()   •

ACC NR: AT6014301

vyp. 4, 1964). It consists mainly of: 1) determination of the absolute wind field from the prognostic data inside a poorly covered area; 2) introducing the actual data for the same period in the same area; 3) solving Poisson's equation. Using this method, maps AT_{500} for the area covering the North Atlantic Ocean and a portion of North America and Greenland have been drawn. Comparison of the actual (from synoptic analysis), prognostic, and statistically corrected AT_{500} maps is given.

Calculations for processing of the area correlation method for a portion of Eurasia were performed by I. A. Tararina. Orig. art. has: 4 tables, 6 figures, and 2 equations.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 003

Card 2/2   hs

L 61493-65

ACCESSION NR: AP5015521

UR/0286/65/000/008/0057/0057

535.8

AUTHOR: Fuks-Rabinovich, S. I.; Lifshits, I. Ye.; Vasil'yev, B. I.; Roslavtsev, A. V.; Urmakher, L. S.; Kron', D. S.

TITLE: Device for investigating fundus oculi in infrared light. Class 42, No. 170182

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 57

TOPIC TAGS: eyeball, fundus oculi, infrared light

ABSTRACT. A device for investigating the fundus oculi in infrared light consists of an illuminating part which contains the light source, a condenser, and a system of prisms or mirrors to alter the path of the light rays (see Fig. 1 of the Enclosure). An opthalmoscopic lens is used to separate the path of the incident light from the path of the reflected light. To investigate the fundus oculi, an infrared filter, which cuts down the visible spectrum to 760 mm, is introduced into the illuminating system. The viewing system contains an electron-optical converter to produce a visible image of the fundus oculi and an eyepiece to observe this image. Orig. art. has: 1 figure. [TS]

Card 1/3

L 61493-65

ACCESSION NR: AP5015521

ASSOCIATION: none

SUBMITTED: 21Nov61   ENCL: 01   SUB CODE: LS, OP

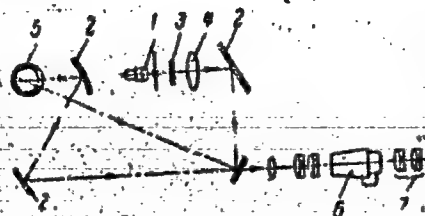NO REF SOV: 000   OTHER: 000   ATD PRESS: 4052

Card 2/3

ENCLOSURE: 01

Fig. 1. Device for investigating fundus oculi

1 - Light source; 2 - mirrors;
3 - infrared filter; 4 - condenser;
5 - the eye; 6 - electron-optical
converter; 7 - eyepiece.

Card 3/3

FUKS-ROMANOVA, G.Yu

Knyazev, Vladimir Sergeyevich, Galina Yur'yevna Fuks-Romanova, and
     Duniya Alikperovna Agalarova ⸻⸻⸻

Materialy po petrografii i mikropaleontologii produktivnoy tolshchi
     Azerbaydzhana (Materials on the Petrography and Micropaleontology
     of the Azerbaijan Productive Series) Moscow, Izd-vo AN SSSR,
     1958. 102 p. (Series: Akademiya nauk SSSR. Sovet po izucheniyu
     proizvoditel'nykh sil. Azerbaydzhanskaya neftyanaya ekspeditsiya.
     Trudy, vyp. 3) (Series: Akademiya nauk Azerbaydzhanskoy SSR)
     Errata slip inserted. 1,300 copies printed.

Ed. of Publishing House: G.I. Nosov; Tech. Ed.: Yu. V. Rylina;
     Editorial Board of Series: A.V. Topchiyev, Academician (Chair-
     man); S.I. Mironov, Academician; L.V. Pustovalov, Corresponding
     Member, USSR Academy of Sciences; (Resp. Ed.), M.M. Aliyev, Active
     Member, Azerbaydzhan SSR Academy of Sciences; G.A. Akhmedov; M.I.
     Varentsov, Corresponding Member, USSR Academy of Sciences; Ye.Ya.
     Dmitriyev (Deputy Resp. Ed.); A.A. Il'in; M.F. Mirchink, Corre-
     sponding Member, USSR Academy of Sciences; D.L. Mozeson; and A.V.

Card 1/4

Materials on the Petrography (Cont.)   SOV/2076

   Fomin.

PURPOSE: This volume is for petrologists, geologists,and persons
   interested or engaged in petroleum surveying.

COVERAGE: The volume is third in a series of publications under
   the general title "Studies of the Azerbaijan Petroleum Expedi-
   tion." It gives the results of petrographic investigations of
   brecciated quartz deposits, and also paleontological data based
   on studies of the microfauna in this region. Granulometric
   studies of the rocks of the region are included. There are 61
   references: 41 Soviet, 14 English, 2 French,and 4 German. No
   personalities are mentioned.

TABLE OF CONTENTS:

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SOV/2076

Materials on the Petrography (Cont.)

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TM/bg
8-17-59

FUKSA, J.

TEC HOLOGY

PERIODICAL: CHEMICKY PRUMISL, VOL. 8, no. 12, Dec. 1958

Fuksa, J. Second International Conference of the Peaceful Uses of
Atomic Energy in Geneva. p. 643.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 5,
May 1959, Unclass.

FUKSA, J.

Use of radiosotopes in Czechoslovakia.

P. 95, (Jaderna Energie) Vol. 3, no. 3, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6,.No. 11 November 1957

FURSA Josef

CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments.
    Methods of Measurement and Research   C-2

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5355

Author   : Kuba Josef, Fuksa Josef
Inst   : Not Given
Title   : Instruments for Work with Radioactive Isotopes

Orig Pub : Jaderna energie, 1957, 3, No 7, 220

Abstract : No abstract

Card   : 1/1

Card   : 1/1

10

FUKSA J

CZECHOSLOVAKIA/Nucloor Physics - Gonorel

C-1

Abs Jour : Rof Zhur - Fizike, No 9, 1958, No 19710

Author   : Fukse J.
Inst   : Not Given
Titlo   : Problems of Radioactivo Radiation Discussod at the Fifth
           Gonorel Govornmont Congross on Labcr Hygiono in Gottwaldoro
           (Czochoslovakia).

Orig Pub : Jadorne onorgio, 1958, 4, No 1, 27-28

Abstract : No abstroct

Card   : 1/1

FUKSA, J.

"A Conference on nuclear technology."

JADERNA ENERGIE. Praha, Czechoslovakia. Vol. 5, no. 3, Mar. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 3, No. 6, Jun 59, Unclas

FUKSA, J.

Session of the Board of Governors of International Atomic Energy
Agency. Jaderna energie 6 no.4143 Ap '60.

KUBA,Josef; FUKSA,Josef

Apparatus for work with radioisotopes. Jaderna energie
3 no.7:220   Jl '57

FUKSA, J.

National Conference of the Communist Party of Czechoslovakia
and the development of nuclear technology. Jaderna energie
6 no.8:253 Ag '60.

FUKSA, Josef

International conference on use of radioisotopes in scientific research in Paris. Jaderna energie 3 no.10:309-310 O '57.

FUKSA, J.

The 28th October, the day of nationalization. Jaderna energie
6 no.10:326 0 '60.

FUKSA, Josef, inz.

Development of the use of radioisotopes in Czechoslovakia. Jaderna energie 3 no.3:95-96 Mr '57.

KUBA, Josef, RNDr.; FUKSA, Josef, inz.

Apparatus for work with radioisotopes. Jaderna energie 3 no.6:192
Je '57.

FUKSA, J.

Problems of radioactive radiation at the 5th National
Convention on Industrial Medicine in Gottwaldov.
Jaderna energie 4 no.1:27-28 Ja '58.

PETROSJANC, A. [Petrosyants, A.]; FUKSA, J. [translator]

>   Atomic energy in the service of the national economy in the Soviet
>   Union. Jaderna energie 9 no.2:60–63 F '63.

>   1. Predseda štatniho vyboru Rady Ministru SSSR pro vyuziti atomove
>   energie (for Petrosjanc).

FUKSA, J.

Progress of nuclear engineering in 1962. Jaderna energie 9
no.10:332-335 O '63.

FUKSA, J.

Experimental reactor with active ring core in Rossendorf.
Jaderna energie 10 no.1:24-28 Ja'64.

FUKSA, J., inz.

"Atomic energy and the chemical industry" by P.S.Savickij
[Savitskiy, P.S.]. Reviewed by J. Fuksa. Jaderna energie
10 no.11:416-418 N '64.

I 40681-65   EWT(m)   Peb   DIAAP

ACCESSION NR: AP5011978   CZ/0038/64/000/012/0447/0449

AUTHOR: Fuksa, Josef (Prague)

TITLE: Radioisotropic instruments at the International exhibit in Brno, 1964.

SOURCE: Jaderna energie, no. 12, 1964, 447-449   Vol. 10

TOPIC TAGS: radioisotope, ion chamber, nuclear physics apparatus /9

Abstract: A brief description of several individual pieces of radio-isotope equipment is given, including three ionization chambers for gamma measurement, two ionization chambers for beta measurements, one compensating ionization chamber, collimating covers for gamma and beta sources, and an amplifier for an ionization chamber. More complete descriptions are given of: type RH radioisotope apparatus for automatic indication and regulation of the position of liquids or loose solids; type MPV for measuring the density of different materials in the range 150 to 1250 g/cm^2; type MPVO for measuring thickness; type MH for measuring liquid level; type MTO for measuring thickness; and an apparatus for measuring the ash content of coal. A list is given of organic compounds containing ^{14}C, ^{3}H, and ^{35}S exhibited. Descriptions of several radioisotope sources: ^{226}Ra needles and tubes, ^{90}Sr sources, ^{226}Ra and ^{147}Pm for luminescent pigments; and Ra-Be neutron sources. Orig. art. has 1 figure and 3 tables.

Card 1/2

L 40681-65

ACCESSION NR: AP5011978

ASSOCIATION: Statni komise pro rozvoj a koordinaci vedy a techniky, Prague (State Commission on Development and Coordination of Technical Information)

SUBMITTED: 00   ENCL: 00   SUB CODE: NP

NO REF SOV: 000   OTHER: 000   NA

Card 2/2

FUKSA, J., inz.

Material basis of communism. Jaderna energie 7 no.11:365 N '61.

L 32182-66   EWT(1)   SCTB   DD

ACC NR: AP6010431   SOURCE CODE: UR/0020/66/167/002/0440/0443

AUTHOR: Moshkov, B. S.; Fukshanskiy, L. Ya.; Yuzefovich, G. L   58

ORG: Scientific Research Institute of Agrophysics (Agrofizicheskiy nauchno-isseldovatel'skiy institut)

TITLE: The construction of a mathematical model of a "biological clock"

SOURCE: AN SSSR. Doklady, v. 167, no. 2, 1966, 440-443

TOPIC TAGS: mathematic model, biology, animal physiology, plant physiology, analog computer, computer application

ABSTRACT: Diurnal variations in the intensity of physiological processes have been established in all biological organisms having a more complex structure than bacteria. It is customary to assume that these variations ("physiological clocks" or "biological clocks") are developed in the process of evolution by a property which ensures the coordination of the time dependence of the various physiological processes among themselves and with the course of the periodic variations in the environmental conditions. An analysis of the properties of the "clocks" shows that their mechanism could be unified (with some variations) for all groups of living organisms, from plants to man. The present article proposes a mathematical model of a biological clock with analogs in live tissue. The model proposed, termed the first approximation model, has been investigated both analytically and on an electronic analog computer. It is shown that, pro-

UDC 577.3

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L 32182-66

ACC NR: AP6010431   O

vided certain conditions are satisfied, the model simulates all the basic properties of the bio-
logical clocks of higher plants. On the basis of the modeling considerations, the authors pro-
pose a series of experiments and predict their outcome. It is noted that the principle used may
be employed to construct a mathematical model of biological clocks for animals. The proposed
constructions may be used for a photoperiodism model. Orig. art. has: 5 formulas.
                                                                                        [08]

SUB CODE: 06,12 / SUBM DATE: 24Nov64 / ORIG REF: 003/   ATD PRESS: 5121

LS

Card 2/2

ACC NR: AP6031125   SOURCE CODE: UR/0217/66/011/002/0374/0377

AUTHOR: Fukshanskiy, L. Ya.
ORG: Agrophysical Scientific Research Institute, Leningrad (Agrofizicheskiy nauchno-issledovatel'skiy institut)
TITLE: Model of controlling photic stimulation which can be realized in living tissue
SOURCE: Biofizika, v. 11, no. 2, 1966, 374-377
TOPIC TAGS: light biologic effect, tissue physiology, photosynthesis, plant metabolism

ABSTRACT: The processes associated with the absorption of light can be arbitrarily divided into two groups for biological objects: 1) the absorption of light associated with the accumulation of energy necessary for vital activity (photosynthesis) and 2) the absorption of light assuring the regulation of various metabolic process and the coordination of the course of these processes with the course of changes in the surrounding environment (photoperiodism, circadian rhythm). The author calls the processes associated with the absorption of light and classified under the second group "controlling photic stimulations." The article suggests a model of controlling photic stimulation which can be realized in living tissue in the form of a layer of pigment disintegrating under the action of incident radiation. The author thanks Professor B. S. Moshkov and V. P. Kozlov for the attention given his work and for their discussion of the results. Orig. art. has: 3 figures and 5 formulas. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 25Oct64 / ORIG REF: 006 / OTH REF: 003
UDC: 577.37
Card 1/1 hs

0918 2355

VATSFEL'D, V.; FUKSHANSKIY, M.; SHTER, B.

Organizing crews for transportation of earth on dump trucks. Avt.
transp. 36 no.8:33-35   Ag '58.   (MIRA 11:9)

1.Glavmosavtotrans.

(Dump trucks) (Earthwork)

L 13631-65   EWT(1)/EWP(m)/EWG(k)/EPA(sp)-2/EWG(v)/EPR/EPA(w)-2/T-2   Pd-4/Pe-5/
Pi-4/Pz-5/Pab-10/Ps-4   IJP(c)/AEDC(a)/AF_R/ASD(d)/SSD/SSD(b)/AEDC(b)/AFMDC/
ASD(f)-2/BSD/ASD(p)-3/AS(mp)-2/AFTC(p)   AT/WW

ACCESSION NR: AP4047383   (P) S/0294/64/002/005/0771/0779

AUTHORS: Bzhonovskiy, V. S.; Dul, I.; Fuksi evich, Ye.; Hikosh, H.; Vang, R.

TITLE: Experimental open-cycle MHD-generator

SOURCE: Teplofizika vysokikh temperatur, v. 2, no. 5, 1964, 771-779

TOPIC TAGS: MHD generator, combustion chamber, heat transfer, combustion chamber
wall temperature, regenerative circuit, magnet coil

ABSTRACT: An open-cycle MHD-generator was designed in 1963 for a power output of
1 megawatt. The schematic of the generator is given in the Enclosures. The
generator has two combustion chambers: a 100-300 kw capacity and a 1000 kw ca-
pacity. The first uses oxygen, nitrogen, or air and kerosene fuel with the incom-
ing air preheated to 1500C. The interior of the chamber is made of refrax material
wound with water-carrying copper tubes for cooling. The maximum wall temperature
permitted is 1700C. To enhance ionization, potassium is used as seed material
in the form of alcohol solution of KOH. Fuel consumption ranges between 12-25
kg/hr. Only a brief description is given of the 1000 kw capacity combustion
chamber which was operated for 100 hours at half-capacity. The power system also
contains a regenerator for heating air up to 1100C, using the hot exhaust (2000C)
Card 1/4

L 13631-65
ACCESSION NR: AP4047383

from the MHD-generator. To improve the heat transfer process in the regenerator, special turbulence and circulation flows are induced. The electromagnet has a 1.9 weber/m^2 induction with a maximum air-gap of 132 mm. The winding of the electromagnet consists of copper tubes, 12 mm external diameter and 4.5 mm internal diameter. Distilled water is used to cool the magnet. Various materials were tested for use as generator walls. These include: $SiO + 50\% Al_2O_3$; zirconium-magnesium bricks; refrax, etc. The heat flow through the walls was gauged at 14 to 71 volt/cm^2. Three types of materials were used as electrodes: graphite, zirconium-oxide, and metallic borides. The MHD-generator itself consists of a nozzle, a channel with segmented electrodes, and a diffuser. The transverse electrodes are of the Faraday type, the internal diameter of the channel is 25 mm (square), and it consists of thick magnesite tubes. Orig. art. has: 9 figures.

ASSOCIATION: Institut yadernykh issledovaniy, Pol'sha (Institute of Nuclear Research, Poland)

SUBMITTED: 06May64   ENCL: 02

SUB CODE: EC, ME   NO REF SOV: 000   OTHER: 004

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L 13631-65
ENCLOSURE: 01

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to card 4/4

L 13631-65
ACCESSION NR: AP4047383   ENCLOSURE: 02

to card 3/4

Fig. 1. Schematic of open-cycle MHD-generator.

1- combustion chamber; 2- nozzle; 3- electromagnet winding;
4- generator; 5- diffuser, 6- heat exchanger; 7- hot air conduit;
8- electromagnet; 9- regulator.

Card 4/4

88211

S/020/60/134/002/036/041XX
C 111/ C 333

16.3500

AUTHOR: Fuksman, A. L.

TITLE: Approximation of Functions Under Homogeneous Boundary
Conditions

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 2,
pp. 289-291

TEXT: In $\overline{D}$, where D is an m-dimensional domain with the boundary Γ,
let the function u possess continuous partial derivatives up to
a certain order. Let

$$(1) \quad u = \frac{\partial u}{\partial n} = \ldots = \frac{\partial^{s-1} u}{\partial n^{s-1}} \Big|_{\Gamma} = 0 .$$

The author considers the approximation of such functions `.. ex-
pressions $\varphi(x_1, \ldots, x_m) P_n(x_1, \ldots, x_m)$, where P_n is a .. ..omial
of at most n-th degree in each of the variables, and φ is a fixed
function satisfying (1). The author gives the velocity of approxi-
mation of u and of its derivatives for $n \to \infty$ in dependence on
the smoothness of u. The problem has been formerly treated in
(Ref.1,2) in the case of a sufficiently smooth Γ and s = 1, s = 2.
For an arbitrary s the author obtains the same estimations as in

Card 1/2

88211

S/020/60/134/002/036/041XX
C 111/ C 333

Approximation of Functions Under Homogeneous Boundary Conditions
(Ref.1,2), if Γ consists of sufficiently smooth pieces.
There are 3 Soviet references.

[Abstracter's note: (Ref.1) is a paper of J. Yu. Kharrik in
Matematicheskiy sbornik, 1955, 37, 353; (Ref.2) is a paper of
J. Yu. Kharrik in Matematicheskiy sbornik, 1959, 47, 177].

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet
             (Rostov-na-Donu State University)

PRESENTED: April 27, 1960, by V. J. Smirnov, Academician

SUBMITTED: April 21, 1960

Card 2/2

FUKSMAN, A.L.

Approximation of functions of several variables with conservation of conditions on the boundary. Dokl. AN SSSR 141 no.5:1050-1053 D '61.   (MIRA 14:12)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavleno akademikom V.I. Smirnovym.
                    (Functions of several variables)

FUKSMAN, A.L.

Local properties of certain approximation operators. Dokl. AN SSSR
142 no.3:556-559 Ja '62.   (MIRA 15:1)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavleno
akademikom V.I.Smirnovym.
                      (Operators (Mathematics))

FUKSMAN, A.L.

Continuation of functions with conservation of their differential properties. Sib. mat. zhur. 5 no.6;1370-1381 N-D '64.

(MIRA 17:12)

BABAYEV, E.A., inzh.; FUKSMAN, A.Yu., inzh.; LYSENKO, Ye.F., inzh.

Step-by-step method for lasting shoes. Kozh.-obuv.prom. 2 no.9:
25-29 S '60.   (MIRA 13:10)
                        (Shoe manufacture)

FUKSMAN, I. G. and NOTKINA, M. G.

"Some Characteristics of Epidemic and Clinical Chronic Dysentery,"
Tezisy Dokladov 9-y Nauchnoy Sessii Kishinevskogo Gosudarstvennogo Meditsinskogo
Instituta, Kishinev, 1952, p 53.

GEL'MAN, V.Ye.; FUKSMAN, I.Ya.

New method of controlling the calcination of bone charcoal
Sakh. prom. 32 no.11:31-32 N '58.   (MIRA 11:12)

1.TSentral'noye konstruktorskoye byuro Kiyevskogo sovnarkhoza (for
Gel'man). 2.Zhulyanskiy kostekal'nyy zavod (for Fuksman).
                (Animal charcoal)

1. FUKSMAN, L. S., Eng.

2. USSR   (600)

4. Excavation

7. Experience with the work of independently financed excavation team under
    M. V. Udod. Biul. stroi. tekh. 10, No. 7, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.